



MANAV RACHNA
UNIVERSITY 
Declared as State Private University vide Haryana Act 26 of 2014

MANAV RACHNA UNIVERSITY



*Step towards a
Sustainable Campus.*



Table Of Content

Advisory Board & Core Committee	05
Introduction to the Sustainable Report	11
Message from Dr. Karan Singh.....	11
Message from Prof. Dr. IK Bhat.....	12
Prelude	134
Journey of MRU towards Agenda 2030	14
Infrastructure	15
Awards and Recognitions.....	22
Manav Rachna Centre for Peace and Sustainability	24
About Centre for Peace & Sustainability.....	24
Verticals of Centre.....	27
About Students' Club of Centre.....	28
Prakarsh: SDG4 Quality Education	29
Objectives	29
Initiatives	30
Parashakti: SDG5 Gender Equality	31
Objectives	31
Initiatives	32
Sahrita: SDG7 Affordable & Clean Energy; SDG13 Clean Action	35
Objectives	35
Initiatives	36

Table Of Content

Samridhh: SDG 8 Economic Development 42

Objectives	42
Initiatives	43

Sadbhav: SDG16 Peace, Justice & Strong Institution 48

Objectives	48
Initiatives	49

PROJECTS 53

Project Pehel.....	54
Project ESDP	55
Project ANG	56
Project Butterfly Garden	57
Project Peace Corridor	59
Project Adhunik Shiksha.....	60

Catering to other SDGs: MRU's Journey Continues 62

SDG1 No poverty	63
SDG2 Zero hunger.....	64
SDG3 Good health & Well being	65
SDG9 Industry, Innovation & Infrastructure.....	67
SDG10 Reduced Inequalities.....	71
SDG11 Sustainable Cities & Commun.....ities ..	72
SDG 12 Responsible Consumption & Production.....	76
SDG15 Life on and.....	79
SDG17 Partnership for goals.....	81

MRU: Sustainability and Legal Review 83

Curriculum Mapping 88

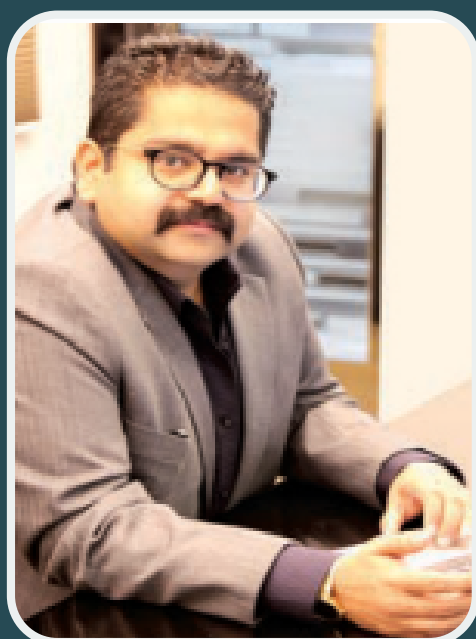
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*Dr. Kameshwar Singh
Registrar,
Manav Rachna University*

Advisory Board



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Indian politician, philanthropist and poet.
Former governor of the state of Jammu and Kashmir
Former member of the Rajya Sabha for National Capital Territory of Delhi
Ambassador of India to the United States of America
Former minister of Education and Culture



DR. PRASHANT BHALLA

Chancellor , Manav Rachna Educational Institute
President, Manav Rachna Educational Institute
President, Manav Rachna International Schools
Chairman, Kunskapsskolan Schoools
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DR. MARKANDEY RAI

National Chancellor, IAEWP
Chancellor, The Global Open University Nagaland
Chancellor, IGTAMS University, INDIA
Senior Advisor, UN-Habitat
President, Global Peace and Development Service Alliance (GPDSA)
President, Foreign Affairs Committee, Indian Council for International Cooperation, INDIA



DR. RAJENDRA SHINDE

Chairman Terre Policy Centre
Director, United nations Environment Programme



DR. MEENAKSHEE GOPINATHAN

Indian educationist, political scientist, writer
Former principal of Lady Shri Ram College, New Delhi
Founder and incumbent director of the Women in Security Conflict Management and Peace (WISCOMP)
Former member of the National Security Advisory Board
Padma Shri award in 2007



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Professor & Head, Department of Psychology
Dean, International Relations (Humanities and Social sciences)
Delhi University



MR. VISHESH GUPTA

Chairperson and Board of Directors of Bharat Soka Gakkai (BSG)



DR. JYOTSNA SINGH

Director, Dara Shikoh Centre, J & K. Amar Mahal
Museum & Library J& K



DR. SUSHILA BHAN

Chairperson, Institute for Peace Research & Action



LT. GEN S.P. KOCHHAR

Retired Signal Officer in Chief- Indian Army
Former Chief Executive officer- Telecom Sector Kill Council of India
Former Principal Advisor-Ministry of Micro small and medium
Enterprises
Formal Principal Advisory- Yes Bank

Advisory Board



ER. ANUJ SINHA

Chairman of the Board at Network of Organisations for S&T
Communication
Member secretary, IPRA



PROF. DR. I K BHAT

Vice Chancellor, Manav Rachna University
Former Director of National Institute of Technology Hamirpur (H.P.),
Malaviya National Institute of Technology Jaipur (Rajasthan), NIT
Delhi, NIT Jalandhar (Punjab) and IIIT Kota(Rajasthan)



DR. GEETA THAKUR

Professor, Department of Education
Head, Manav Rachna Centre For Peace & Sustainability
Dean, Department of Students Welfare, Manav Rachna University

CORE COMMITTEE



Prof. Dr. I K Bhat
Vice Chancellor,
Manav Rachna University



Prof. Dr. Sangita Banga
Pro Vice Chancellor,
Manav Rachna University



Dr. Kameshwar Singh
Registrar, Manav
Rachna University



Dr. Pradeep K. Varshney
Dean, Research,
Manav Rachna University



Dr. Geeta Thakur
Dean, Student Welfare
Manav Rachna University





Message from **VICE CHANCELLOR**



"In the present difficult times, when the whole world is trying to take measures to control pandemic besides having conflicts due to global political instability, climate changes leading to rise in ecological issues, the threat of nuclear wars, and poverty, the society needs to build measures which mitigate these and lead to peace in a conscious manner.

It is heartening to see that a recently established new Centre of excellence "Manav Rachna Centre for Peace and Sustainability" is engaged in its endeavor to inculcate the core value of Peace and Sustainability in the entire value chain of academia in the university through its curricular, co-curricular and extracurricular activities route.

With the Centre involved in conduct of research in collaboration with other organization having similar objectives on policy issues as well, this is going to have an impact in the form of policy making at local, state, and national level."

**Prof. Dr. I. K. Bhat,
Hon'ble Vice-Chancellor,
Manav Rachna University.**

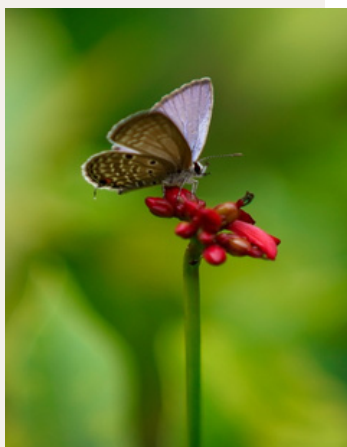
PRELUDE

Sustainability is a holistic concept acting a plan of action for the people, planet, and prosperity to reinforce collective peace. The pledge taken by the United Nations' Agenda 2030, encompassing the goals and ensuring their realization across the countries stands as a global trial en route to the sustainable development. Where the countries are broadening their approach and outreach to the implementation, India is on a steady trajectory to ensure a contextual implementation of the goals across the schools and higher education institutes (HEIs). Aligning with the SDGs 2030, Manav Rachna University (MRU) ushers a new dimension to its progress on the stimulating trajectory of sustainability through its first 'Sustainable Development Report 2023'. Discreetly drawn on the lines of the United Nations SDG preamble, the report contributes in aligning the universal SDGs to its own contextual understanding of sustainability. It presents forth the dynamic and transformative steps, needed immediately to shape a resilient and sustainable journey for future generations. Together with its people on board, MRU aspires to deliver holistic education that ensures a sustainable learning environment through building effective partnerships, based on a strategic plan of action, resting on the foundations of peace and prosperity.

The report presents seventeen SDGs identified by the UN and reflects on MRU's initiatives under the respective SDG. However, it also curates four major verticals identified as Prakarsh (SDG-4), Parashakti (SDG-5), Sahrita (SDG-7 & 13), Samruddha (SDG-8) and Sadbhav (SDG-16) juxtaposed with the respective SDGs' vision. The verticals are subsequently discussed in the report.

At Manav Rachna University, SDGs are integrated through curriculum, co-curricular and extracurricular activities. They are developed, structured and practice oriented curricular and extra-curricular programme for youth to inculcate values and promote indulgence in art and culture related pursuits to develop a peaceful mind. With a sustainability attitude, the inclination is towards building an environmental consciousness and culture of collaboration, through interuniversity forum and competitions. MRU, with a structured, goal-oriented roadmap, has prepared the verticals and frameworks to undertake efforts to collaborate with the organizations and institute that are working in the areas of Peace and Sustainability. With the dedicated efforts, MRU has created a niche in the area of peace and sustainability to spread awareness about Sustainable development through curricular and extracurricular interventions.

With a focussed work ethic, MRCPS continued its efforts during the trying times of COVID-19 pandemic for mediating peace and compassion by organizing webinars, campaigns to develop.



Agenda 2030 of SDGs **JOURNEY OF MRU**

Journey of MRU towards Agenda 2030

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests. The key to implementing this sustainable development is the introduction of higher dimensions of consciousness into our awareness. In Manav Rachna, we are committed to make people conscious about their decisions, actions and behaviour which would be affecting environment. The campus which is in the process of becoming green and carbon neutral campus is the projection of our collective consciousness.



SUSTAINABLE INFRASTRUCTURE

Manav Rachna University



Sustainable INFRASTRUCTURE

Being a leading state private university (established by Haryana State Legislature Act No 26 of 2014 & under section 2(f) of UGC Act 1956), MRU offers relevant education globally. The University has evolved from Manav Rachna College of Engineering (MRCE, established in 2004, a NAAC Accredited 'A' Grade Institution). Manav Rachna University is among the Top 2 Emerging Engineering Institutions of India and has been ranked the No. 1 Engineering Institution in India for Research Capability & Placements in the Times Engineering Survey 2022. It has been bestowed with QS I-GAUGE, overall DIAMOND rating for Excellence in Teaching and Learning, Faculty Quality, Facilities, and Social Responsibility, and QS I-GAUGE PLATINUM RATING for Employability and Academic Development.

The university provides the best-in-class infrastructure that caters to the students, faculty, and staff with the resources they need to learn, work, and live on campus. State-of-the-art academic buildings, equipped with modern technology and facilities, provide an environment that is conducive to learning and research. The university's hostels are comfortable, safe, and well-maintained, with options for different living styles and budgets.

The athletic facilities are diverse, well-maintained, and easily accessible, providing opportunities for students to stay active and healthy. The hostel's mess and other food service facilities offer a variety of options, including healthy and sustainable choices, and cater to different dietary needs. The support services are comprehensive, providing students, faculty, and staff with access to health care, counselling, and other resources to help them succeed. The university has well-maintained utility systems, including water, sewage, and electrical systems, to ensure the smooth functioning of the university. The university has a reliable transportation system that makes it easy for students, faculty, and staff to get around the campus. Robust technology infrastructure that supports the university's operations and academic activities and allows for seamless communication and collaboration.

Sustainable INFRASTRUCTURE

Utility systems at the university campus include water, sewage, and electrical systems, as well as ventilation, and air conditioning (HVAC) systems. A well-maintained and efficient utility system provides a safe and comfortable environment for students, faculty, and staff, as well as supports the university's academic and research activities.

The water system on the university campus provides clean and safe drinking water, as well as water for cleaning, and other purposes. This includes pumps, storage tanks, and distribution networks that transport water throughout the campus. The sewage system for collecting, treating, and disposing of wastewater, this includes sewers, treatment plants, and discharge systems that help to protect the environment and public health.

The electrical system on the university campus provides power to buildings, lights, and other equipment. This includes generators, transformers, substations, and distribution networks that transport electricity throughout the campus. The HVAC system maintains a comfortable temperature and air quality in buildings.

Solar Photovoltaic (PV) Systems

Manav Rachna University promotes energy conservation by installing Solar Photovoltaic (PV) Systems to generate renewable energy, reduce reliance on fossil fuels, and lower the energy costs. Solar PV Systems on the campuses includes:

Rooftop solar PV systems: Solar panels installed on the rooftops of buildings, where they are connected to the building's electrical system to generate power.

Ground-mounted solar PV systems: Solar panels installed on the ground in the open spaces available and provide shade in parking lots.

Solar carports: Solar panels installed on top of carports, which provide shade for cars and generate electricity at the same time.

The university ensures that the solar PV systems are properly designed, installed, and maintained to ensure optimal performance and safety. Universities also educate students, staff, and faculty about the benefits of renewable energy and the importance of sustainability. By investing in solar PV systems, Manav Rachna University help to reduce environmental impact and operating costs, while also supporting mission on goals.



Sustainable INFRASTRUCTURE

Ground Water Recharge Well

MRU practices rainwater harvesting to collect and store rainwater for later use to conserve water, reduce fresh water consumption, and lower their water costs. Groundwater recharge wells replenish groundwater resources by artificially recharging aquifers. Surface recharge wells are constructed on the ground, and diverting surface water, such as rainwater or treated wastewater, into the wells to recharge the aquifer below.

University ensures that the water used for recharge meets all relevant health and safety standards and that the wells are properly constructed and maintained & monitored to track the effectiveness of the recharge wells in terms of water level and quality.



Sewage Treatment Plant

A sewage treatment plant with a capacity of 200KL/day is designed to process and treat up to 200,000 liters of wastewater per day. The plant's primary function is to remove pollutants from the wastewater, making it safe for reuse or release back into the environment. This involves:

Pre-treatment: Large debris such as sticks, leaves, and trash are removed from the wastewater, using screens or grit chambers.

Primary treatment: The wastewater is sent to a sedimentation tank, where heavy particles settle to the bottom, while lighter particles float to the top. These particles are then removed and sent to a sludge treatment process.

Secondary treatment: Remaining pollutants in the wastewater are broken down by microorganisms, such as bacteria and protozoa. This is typically done in an aeration tank, where oxygen is added to support the growth of these microorganisms.

Tertiary treatment: Treated wastewater is sent through a series of filters, such as sand filters or activated carbon filters, to remove any remaining pollutants.

Disinfection: Treated wastewater is disinfected to kill any remaining microorganisms.

Sustainable INFRASTRUCTURE

Electric Cart for Transportation

Electric carts at MRU campus are used to transport people or goods around the campus. They offer several benefits over traditional gasoline-powered vehicles, including:

Reduced emissions: Electric carts do not produce emissions, which makes them a cleaner and more environmentally friendly option than traditional vehicles. This helps us to reduce their carbon footprint and meet our sustainability goals.

Low operating costs: Electric carts typically have lower operating costs than traditional vehicles, as they require less maintenance and use less energy.

Quiet operation: Electric carts are much quieter than traditional vehicles, which make them a more pleasant option for transportation on a university campus. This helps to reduce noise pollution and create a more peaceful environment for students, faculty, and staff.

Easy to operate: Electric carts are easy to operate and require less training than traditional vehicles. This makes them a more accessible option for a variety of users, including students, faculty, and staff.





AWARDS

मानव रचना यूनिवर्सिटी को केन्द्रीय मंत्री किशन रेड्डी ने डिजास्टर रिस्क रिडक्शन पुरस्कार से किया सम्मानित

फरीदाबाद, 23 जून (सूरजमल): मानव रचना यूनिवर्सिटी को कोविड 19 महामारी के दौरान सेंटर फॉर पीस एंड सस्टेनेबिलिटी एमआरयू द्वारा इसके प्रभाव को कम करने के लिए किए गए कार्यों के लिए वर्ल्ड कांग्रेस ऑन डिजास्टर मैनेजमेंट डिजास्टर रिस्क रिडक्शन पुरस्कार से सम्मानित किया गया है।

यह पुरस्कार किशन रेड्डी भारत के उत्तर पूर्वी क्षेत्र के केन्द्रीय पर्यटन, संस्कृति और विकास मंत्री, भारत सरकार द्वारा प्रस्तुत किया गया था। प्रो. (डॉ.) आई.के. भट कुलपति, एमआरयू और प्रो. (डॉ.) डी.एस. सेंगर, प्रो वाइस चांसलर, एमआरयू ने इंडिया इंटरनेशनल सेंटर (आईआईसी) में आयोजित एक समारोह में यूनिवर्सिटी की ओर से पुरस्कार प्राप्त किया। मानव रचना सेंटर फॉर पीस एंड सस्टेनेबिलिटी अध्यक्ष पद्म विभूषण डॉ. कर्ण सिंह के कुशल मार्गदर्शन में समाज को प्रभावित करने वाली आपदाओं की रोकथाम और प्रबंधन के लिए प्रयास करके शांति और स्थिरता के पथ पर हैं। महामारी के कठिन समय



मानव रचना यूनिवर्सिटी को केन्द्रीय मंत्री किशन रेड्डी डिजास्टर रिस्क रिडक्शन पुरस्कार से सम्मानित करते हुए।

के दौरान सेंटर फॉर पीस एंड सस्टेनेबिलिटी ने युवाओं के लिए मूल्यों को विकसित करने और कला और संस्कृति से संबंधित गतिविधियों में भागीदारी को बढ़ावा देने के लिए कई संरचित और अयास उन्मुख पाठ्येतर कार्यक्रम विकसित किए

ताकि आपदा का सामना करने के लिए एक शांतिपूर्ण दिमाग विकसित किया जा सके। इसके अलावा केंद्र, शांति और स्थिरता पर जोर देता है, छात्रों के बीच जीवन कौशल विकसित करता है, पर्यावरण जागरूकता, शांति और सद्भाव की संस्कृति

सहित कई एसडीजी के लिए जागरूकता और प्रशिक्षण कार्यक्रम प्रदान करता है ताकि महामारी और महामारी के बाद की अवधि के दौरान समुदाय का समर्थन किया जा सके। केंद्र ऐसी आपदाओं से बचने के लिए समाज में लोगों के बीच जागरूकता पैदा करने के लिए अंतर विश्वविद्यालय मंचों और प्रतियोगिताओं के माध्यम से छात्रों के बीच स्थिरता के प्रति दृष्टिकोण विकसित करने में मदद करता है।

इस दौरान योग और ध्यान प्रशिक्षण सत्र भी आयोजित किए गए। मानव रचना यूनिवर्सिटी ने विभिन्न विश्वविद्यालयों के स्नातकों के लिए शांति और स्थिरता पर एक पाठ्यक्रम भी डिजाइन और वितरित किया। सेंटर फॉर पीस एंड सस्टेनेबिलिटी, एमआरयू समाज की सेवा करने और हमारी युवा पीढ़ी को सामाजिक कल्याण सेवाओं का मूल्य सिखाने के लिए निरंतर प्रयास में है। समाज की बेहतरी की दिशा में प्रयासों के लिए मान्यता प्राप्त करना छात्रों और शिक्षकों को सही दिशा में काम करने के लिए प्रेरित करता है।

Manav Rachna University received WCDM DRR Awards for the work carried out by the Centre for Peace and Sustainability during COVID 19 pandemic for mitigating its impact by the Hon'ble Union Minister of Tourism, Culture and Development of North Eastern Region, Government of India, Shri G Kishan Reddy. It was received by Prof. I K Bhat Vice Chancellor of Manav Rachna University, at a function held in India International Centre (IIC) on 22nd June 2022.



Manav Rachna Centre for Peace and Sustainability

VISION

To bring Peace & Sustainability to humanity.

MISSION

To study, educate, conduct training and promote research in all spheres of Peace & Sustainability.

To propose and promote creative and new approaches towards ensuring Sustainable Development and Peace at local, national and global level.

OBJECTIVES

To provide Education & Training in different aspects of Peace and Sustainable Development.

To inculcate Values of Peace and Sustainability among students.

To promote Research among youth in the area of Peace and Sustainability focusing on creation of sustainable communities with an attitude of health and wellbeing of all.

To support Policy Making in the area of Peace at local, University, State and National level through research and experimentation.

To promote Collaboration and Networking among promoters and practitioners.



Manav Rachna Centre for Peace and Sustainability (MRCPS) was launched on 2nd October 2019. The centre is initiated with vision to bring peace and support the development of India's peace operations through youth power. Being the epicentre of academic endeavours, training, research, community awareness programmes in all spheres of peace and sustainability, it is sustained by the emancipating vision of Padma Vibhushan Dr Karan Singh as a Chairman of Advisory Board Committee of MRCPS. Dr Ved Prakash, Former Chairman, UGC, Dr Muzaffer Ahmad, former member NDMA, Dr Rajendra Shende, Chairman Terre Policy Centre and Director, UNEP, Padma Shree Dr Meenakshee Gopinathan, Founder WISCOMP, Dr Anand Prakash, Professor & Head, Department of Psychology, Delhi University, Mr Vishesh Gupta, Chairperson and Board of Directors of Bharat Soka Gakkai (BSG), Dr Sushila Bhan, Chairperson, Institute for Peace Research & Action, Lt. Gen S. P. Kochhar, Retired Signal Officer in Chief- Indian Army are some of the Advisory Board Members of MRCPS.





THE GLOBAL GOALS

MRCPS under the able mentoring of Chairman Padma Vibhushan Dr Karan Singh and other legendary board members, vision of Dr. Prashant Bhalla, resolve of Dr. Amit Bhalla and leadership of Prof. Dr. I K Bhat and commitment of all core committee members as well as faculties and students, is on the path of peace and sustainability. Ever since its inception, it has relentlessly extended support services to the society to prevent, cope up and manage disasters.

It emerged during the tough times of pandemic to develop several structured and practice oriented extra-curricular programme for youth to inculcate values and promote indulgence in art and culture-related pursuits for a calm mind to face the disaster. Further, the centre emphasises on peace and sustainability to develop life skills among students, provides awareness and training programme for many SDGs including environmental consciousness.



Youth Power in Action

01

PEACE BRIGADE

To bring growth and prosperity to a society, the path that our peace champions chose is of peace and harmony.

Without peace in the world, it is impossible to achieve political strength, economic stability, or cultural growth. Before transmitting the notion of peace among others, an individual needs to possess peace within themselves while their body and mind should be in balance.

03

GREEN WARRIORS

Army of Green Warriors is being raised in Manav Rachna who would be spearheading this movement to spread the message of saving the environment and attaining carbon neutrality to the masses.

To make our campus "carbon neutral, and green and" to make students "environmentally conscious citizens", we need to initiate the change "from within ourselves".

Youth is the torch-bearer to make a change in society.

02

GENDER CHAMPIONS

In order to promote gender equality, guaranteed by Article 15 of the Indian Constitution, we need to change the mode of interaction at all levels home, school, workplace, and so on.

To increase the outreach for creating an environment that fosters equal treatment, MRCPS envisages the engagement of Gender Champions in the university. It is a joint initiative of the Ministry of Women and Child Development and the Ministry of Human Resource Development which is being implemented at Manav Rachna.

This is also subject to the AICTE gender champions scheme.



Manav Rachna Peace & Sustainability Students Club

At Manav Rachna, we are making thoughtful attempt to create brigade of Peace champions, Gender champions and Green warriors who we believe, would be influential and leading citizens of Peaceful and Sustainable New India. This brigade will spread the message and connect to the society and they would also expand the network of other youth outside Manav Rachna.” - MRPSC.

Sahrta Vertical is committed to advancing SDG 7 Affordable and clean energy and 13 Climate action by engaging in ongoing tangible projects, conducting visits, and executing impactful campaigns.

Prakarsh is working on SDG 4 Quality education.

Sadbhav is focused on addressing the objectives of both SDG 3 Good health and well-being and SDG 16 Peace, justice and strong institutions.

Parashakti Vertical is actively engaged in activities that align with the goals of SDG 5 Gender equality.

Samriddh is focused upon SDG 8 Decent Work and Economic Growth.



Quality Education



SDG-4 aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. It supports the reduction of disparities and inequities in education, both in terms of access and quality. It recognizes the need to provide quality education for all, and most especially vulnerable populations, including children belonging to the weaker sections of the society, children with special needs, and children belonging to indigenous and refugee clans. Being an SGD of critical importance due to its transformative effects on the other SDGs, sustainable development pivots on every child receiving a quality education. With a robust support mechanism, the children are offered the tools to develop to their full potential. Thus, they become prolific individuals prepared to give back to their communities and break the cycle of poverty. Education enables upward socioeconomic mobility.

The vertical 'Prakarsh', has been envisaged on the lines of the fourth Sustainable Development Goal (SDG- 4) on Quality Education. It ensures a steady progression towards an inclusive-equitable society which provides free yet quality education to one and all, while promoting lifelong learning opportunities for everyone.

Objectives

The objectives identified under Prakarsh are:

To promote a holistic vision of quality education.

To promote university-community linkages for better student support.

To facilitate the schools with socio-emotional and academic support services.

To address the learning needs of the children coming from the margins.



Our INITIATIVES



1

UPHAAR

An event was organized to provide books to the children belonging to the weaker sections of the society and promote quality education. MRU students made their contribution by donating their old books with great enthusiasm. The books included story books, workbooks to practice cursive writing, companions and curricular books published by NCERT.



2

TEACHERS ON CALL

The program Teachers on call was launched by Faridabad Education Council under the aegis of Dr OP Bhalla Foundation on 25th April 2020, aiming to provide free service to the children from the government schools of Faridabad district. The initiative was targeted to enhance the academics of Faridabad government schools. With this program, the Foundation was able to contribute in providing Inclusive and Quality education for all the students. We received around 135000+ calls in the month of December 2020, with numbers taking a toll each passing day.



Gender Equality



MRU perseveres in a continuous engagement with the local community women to promote female education and empowerment through awareness campaigns and community programs. The university reinforces promotion of its female staff in the organisation based on their merit and performance. This permits the university to warrant the implementation of strategies and plan of action guaranteeing gender parity and equity. The approach directs at improving the representation of women in the university's leadership positions along with senior academic roles. The university also provides 'Day-care' facilities in the campus to promote a conducive environment to work stress free for teachers and their children.

Objectives

The objectives identified under Parashakti are:

- i To promote equal opportunity for women in the campus for their professional growth.
- ii To empower female staff and women from the local community.
- iii To create awareness regarding gender equality.
- iv To implement strategies against gender discrimination.

Outcome

Students have reached out to the staff and community to challenge the patriarchal thought process and create a dialogue for gender awareness and women empowerment.



Initiatives



MRU has an active women empowerment cell with zero tolerance policy towards harassment of any form.

The Department of Education and Humanities at the MRU carried out various activities based on gender sensitization for the other faculties of the University. In accordance with NCTE guidelines they have Gender Sensitization as one of the core program objectives. Apart from this, Gender School and Society as a course is the compulsory core component of the structure of all the teacher education programs offered by the Department. Students of B. Ed. semester 4 performed a street play in the campus to bring about Gender Sensitization in March 2020. Through their play, they touched upon various aspects of discrimination against women from birth, male rapes, the plight of transgenders in our country and raised awareness about LGBTQIA+ issues. The play had a positive impact on the audience and was well appreciated.

The university has persistently served in generating mass awareness on gender discrimination and creating gender sensitization through inclusionary classroom practices and a few initiatives briefly discussed as follows. With the rocketing cases of violence against women during the pandemic, Parashakti organized an online panel discussion on the subject of violence against women on March 8, 2020.

On March 12, 2020, a radio campaign 'it's not us it's you' was organized by MRCPS, wherein the stories were collected by the students, related to their experiences with patriarchy. An analysis of COVID-19 tasks teams from 87 countries found only 3.5 percent of them had gender parity. When women lead, we see positive results. Some of the most efficient and exemplary responses to the COVID-19 pandemic were led by women. Yet, women under 30 are less than 1 percent of parliamentarians worldwide. The best three were featured in the Radio Manav Rachna on air on 14 March, 2020.

Besides this, to celebrate the women in our lives, MRCPS organized an online write-up competition (Dare 2 Aspire) on the 13th March 2021 on theme Importance of Women in our Life. The event had participants write a positive quote/message that they wished to convey as a gesture of gratitude and happiness. The event was open for all and students gave their best at the end of the day.

Initiatives

"Ek Din Aapke Naam" was celebrated as a gratitude towards our female housekeeping staff. It was dedicated to them to appreciate their perseverance to cope up with challenges of life by balancing their contribution in family making and raising their children along with their contribution to organization.

The event Taboo boom: Myth vs reality of gender stereotypes, organized by MRCPS catered towards deconstructing the stereotypes and taboos associated around identity crisis, gender discrimination and marginalization. As a part of the awareness campaign, under Skill development for leadership and entrepreneurship, MRU students lead a campaign on women empowerment through information literacy and economic development.

Our female students were trained as self- defence trainers as a part of the initiative under Parashakti on empowering girls with self- defence techniques.

Respect begins at recognition. Recognition leads to acceptance. In the honour of trans week, Parashakti organized a slogan making event representing power of words for trans community. Themes were related to position of LGBTQIA+ in our society. The event was lauded by the students as a robust initiative by MRU to educate society on the identity crisis faced by the third sex.

Parashakthi organised poster making competition "PRAGYA" on the auspicious event of Dipawali. The themes were-
Know about the hidden Rawans of society.
Stop ignoring the SITA behind you.

WOMEN- 'CAN' - "A STORYBOARD MAKING COMPETITION": Under the initiative of skill development and establishing university-industry linkages, a story board competition was organized wherein the participants were provided with the names of ten women entrepreneurs who have worked towards empowering women, and alleviating poverty and eradicating hunger in the society.



Initiatives

On Bhaidooj, Parashakti organized an article writing Competition, 'Jazbaat'. Themes were related to relationship of brother and sister. It was to strengthen the relationship and to inculcate the respect for women.

Parashakti in collaboration of WICCI UP HR Council presented a webinar on "new empowered woman: woman with wings" on December 19th 2020, where speaker-Sqn. Ldr. Dimple Rawat delivered her views on the topic and provided her personal experiences to explain how one can achieve it.

Another initiative undertaken by the MRCPS has been the Rang campaign. Organized on the 25th November, 2020, the students wore the colour blue to represent elimination of violence against women and sent their picture with their messages to create awareness regarding the same.

In the honour of International day of Elimination of violence against women Parashakti organized a poem writing competition, 'Kavyanjali' representing power of women. This event was to create an awareness about increase of women violence rate. Poems written by students were around the themes related to women empowerment and making women integral part of the nation.

In November 2020, occasion of women's day, MRCPSSC organized Kalakaro ki Karigiri, a tattoo making competition. The event involved participation from students across the universities in India.



Affordable and clean energy, Climate action



Having been conceived on the lines of the SDG- 7 and 13 on affordable clean energy and climate action, Sahrita thrives on the peaceful cohabitation of the mankind with its natural environment to build upon an ecosystem that is nurtured on the foundations of faith in the bylaws of Mother Nature. The claws of human growth and development have started to dig deep into the sustainability and impeding the equilibrium which was once shared between mankind and nature. By embracing effective smart campus strategies, MRU ensures staying on the due course of sustainability and relevance, thereby enhancing the experience for students, faculty, administrators, and researchers, as well as for the surrounding community in which we all coexist. At present, as the world wobbles on the broken trajectory of fatiguing natural resources, melting glaciers, rising temperatures and bleak support systems for human race after constant exploitation, MRU under Sahrita ushers an optimism to restore the lost balance through its persistent endeavours. Sahrita, hence, becomes a ray of hope in reinstating the lost balance by thriving on the golden principle of saving for our future generations with the efforts of our digitally native students.

Objectives

The objectives identified in this vertical are:

To ensure sustainable development across the MRU campus.

To enable the departments to weave sustainability in the curricular and co-curricular guidelines.

To promote environment-friendly initiatives across the departments.

Our INITIATIVES



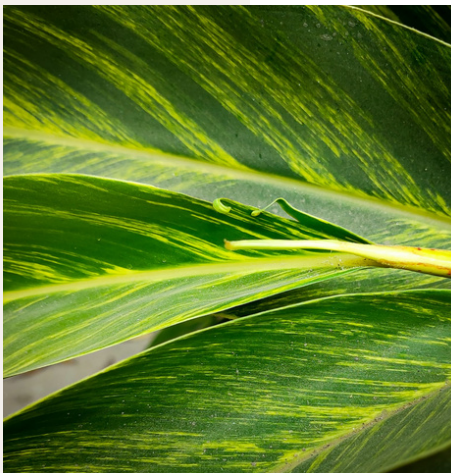
Besides ensuring a robust infrastructure to back sustainability and a carbon-neutral campus, MRCPS perseveres through Awareness, Research and Action to ensure Sahrita's being by organizing seminars, workshops and training for the students, faculty and society. Following initiatives sum up the university's and MRCPS' vision enshrined in realizing Agenda 2030. Manav Rachana partnering with Paryavaran Gatividhi has strengthened the efforts to make India carbon neutral by initiating activities like making Eco bricks and with Smart Campus Cloud Network (SCCN) to monitor carbon credits using App-based recording and analysis. The university participated in virtual event NOT Zero Net Zero organized by TERRE Policy Centre under Smart Campus Cloud Network and took a voluntary pledge to make University carbon neutral on the fifth anniversary of the Paris Agreement on December 12 2020.

It is worth noting that the campus is a 'Zero Discharge' campus which has attained complete recycling and reuse of waste water. To further strengthen the efforts towards making carbon neutral, green and environmentally rich campus, an automatic bio-composter of capacity 75 Kgs per day are installed in the university campus which converts the organic waste including food waste, kitchen waste and garden waste into compost, which is used to fertilize the garden soil within the campus, ensuring no discharge in the environment and reducing dependence on chemical fertilizers. The non-biodegradable waste generated in the campus is segregated at source by disposing the dry, wet and hazardous waste separately in colour coded dustbins, which are deployed at various locations in the campus. The non-biodegradable waste is taken away from the campus by M/S Ecogreen Energy, Gurugram for appropriate recycling who are authorized by Municipal Corporation of Faridabad to collect, recycle and dispose the domestic waste.

Our INITIATIVES



Hazardous waste management is managed by Mahavira Udyog, Rohtak for disposal of hazardous material, who are authorized by Haryana Pollution Control Board.



The e-waste generated in campus is sold to BRP Infotech Pvt. Ltd, New Delhi, who is registered by Haryana Pollution Control Board. BRP infotech and is authorized for the safe disposal of e-waste including the processes of salvaging, recycling and material recovery.



The biomedical waste generated in the university is disposed in color coded bins with closed lids for segregation and is further collected on a regular basis by a registered vendor 'Golden Eagle Waste Management Company, Faridabad' who are authorized for collection and safe disposal of Biomedical waste.

It pledged to ban single-use plastic, organized a Rally to spread the message to Ban on Single Use Plastic which eventually led to campaign "SAY NO TO SINGLE PLASTIC: REDUCE, REUSE, RECYCLE GO GREEN WITH MANAVRACHNA."

Our INITIATIVES

Besides relying on the infrastructure, MRCPS' contribution in making Sahrita functional at the level of students and faculty involves various initiatives and accomplishments. A few have been enlisted below:

A Webinar on "Climate Change: Threat to Global Peace: What lessons from COVID19 Pandemic" was organized by Dr Rajendra Shende, Chairman of TERRE Policy Centre, Former Director UNEP on 29th May 2020. His insightful thoughts explained how COVID-19 has brought out the fragility of the very foundation of our society and its systemic problems, particularly regarding the wellbeing and health of the people. Explaining the strong linkages between climate change and global peace, Shende recounted the recent global conflicts triggered by the primary and secondary consequences of climate change.

A webinar on "Biological Disaster Management: Post COVID19" on 13th June 2020 By Dr Muzaffar Ahmad, Former Member, National Disaster Management Authority (NDMA) Government of India. Dr. Ahmad explained in detail about Disasters and specifically about the COVID scenario. He shared the eye opening statistics to develop the understanding and awareness about management of this disaster.

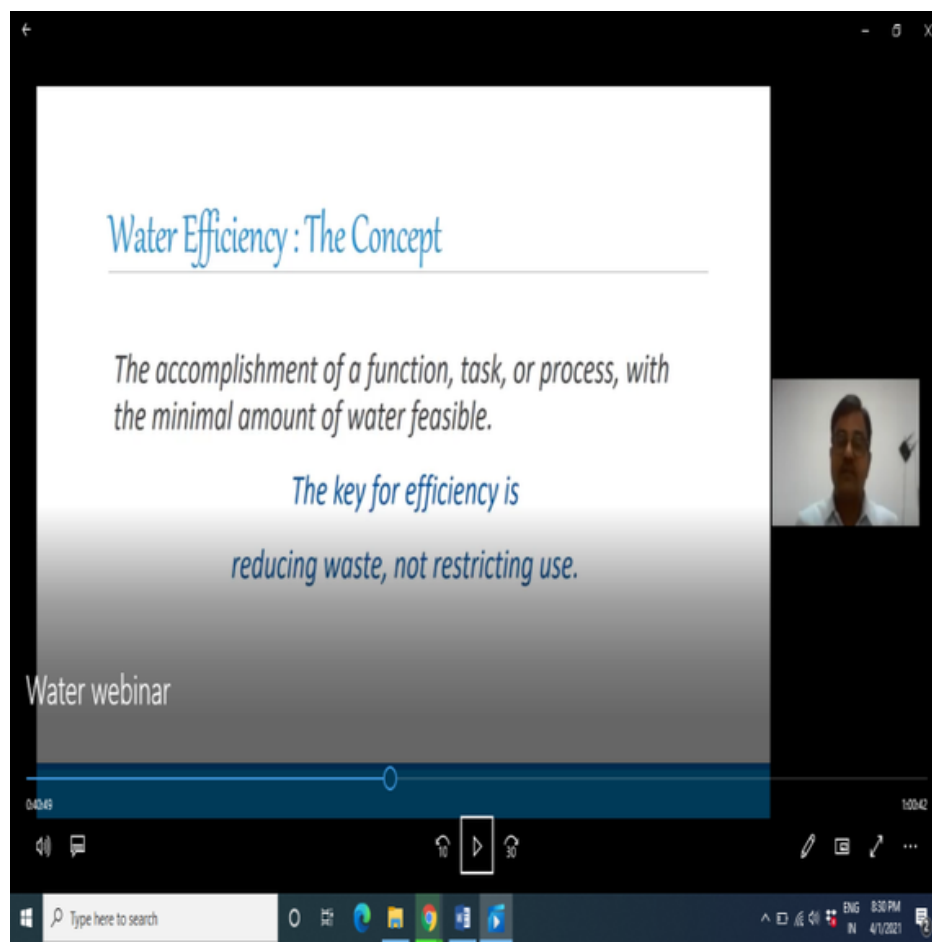
With persistent efforts, Manav Rachna University became the member of Smart Campus Cloud Network by taking a voluntary pledge to develop the roadmap towards making University carbon neutral on the fifth anniversary of the Paris Agreement on December 12 2020 in virtual event NOT Zero Net Zero organized by TERRE Policy Centre under Smart Campus Cloud Network.

A workshop involved participation of students beyond our university and covering around 80 participants from universities across India. The speaker of the workshop was Ms. Somya Sharma, Assistant Professor of Journalism and Mass Communication at MRIIRS. The session was based upon the idea of sustainability and participants learned about: making use of sustainable and recycled fibre, utilising eco-friendly processes that save water minimise the discharge of effluents into nature and also start bringing up sustainable fashion into our lives.

WATER IS LIFE

A webinar on “Water Efficiency for Sustainable Building” on the occasion of Water day the 22nd March 2021, in which Resource person Dr Sanjay Mathur, Professor & Head, MNIT, Jaipur, Dr N C Wadhwa, Director General, MRIE and Dr Prof. I K Bhat, VC, MRU highlighted the scenario of drinking water in world as well in India in particular, the need to become water efficient and making sustainable building and ways to bring water efficiency. MRU initiated CONSERVE WATER PLEDGE campaign all across India where people took online pledge using the link and received their softcopy of pledge with their name, photograph and signature. We had great responses from students from different colleges, cities, states and countries as well.

Environmental and Sustainability audit, Energy Audit are done regularly to evaluate the status and undertake the measures. To provide the strategic direction and guidance in its journey towards Going Green, Manav Rachna has roped in a highly esteemed and erudite Advisory person like Mr. Rajendra Shende, a former Director of United Nations Environment Programmed (UNEP) in Paris and currently Senior Expert nominated by Government of India to United Nations Environment’s Technology and Economic Assessment Panel (TEAP).



GREEN VOGUE

To celebrate the essence of sustainability through the contemporary flavour of fashion and aesthetic, The Green Vogue Week was organized from 22nd December to 26th December 2020. This event included: Infographics Competition, Making Every day Sustainable (a Workshop), Quiz Competition, Antique To Modish, and E- Fashionnova (Fashion Show). This celebration involved participation from students beyond our university and entertained a footfall of over seven hundred participants from across India and other countries like Nepal, Malaysia etc.



Under THE GREEN VOGUE WEEK, MRCPS organized a competition pertaining to sustainable gift ideas. This event involved participation from students beyond our university and covering around 50 participants from universities across India from colleges like IIT DELHI, NIET, Greater Noida, St. Joseph's Girl's High School and many more across India.

The Quiz and puzzle on the fashion involved participation of over 400 students beyond our university. The Green Vogue Week culminated with an online Fashion Show: "E-FASHIONNOVA" which was judged by Miss Elina Chauhan, a Runway Model, a Ramp Walk Trainer, Fashion Choreographer, of MTV Fame.



MANAV RACHNA PEACE AND SUSTAINABILITY CLUB ORGANIZES

MAKING EVERYDAY SUSTAINABLE

A Workshop By Ms Somya Sharma

ON 23 DECEMBER
FROM 3-4PM

OPEN FOR ALL

SCAN TO REGISTER

Ms Somya Sharma
Assistant Professor
Journalism and Mass Communication, FMEH

FOR MORE DETAILS
COORDINATOR: AARZOO KAPOOR (7986162538)

MANAV RACHNA'S PEACE & SUSTAINABILITY CLUB PRESENT

E-FASHIONNOVA

SUSTAINABLE FASHION SHOW

Get Ready For Amazing Cash Prize

MANAV RACHNA
Vidyadhar College

26 DECEMBER 2020
Timings: 11AM TO 12.30PM

JUDGED BY
ELINA CHAUHAN
Runway model / Rampwalk trainer / Fashion choreographer / Mtv fame

SCAN TO REGISTER

For more details contact
Siya Sharma 9711468479
Drishti Dua 9354433577

https://meet.google.com/fxw-yivd-bpm?pli=1&authuser=1

Gender Inequality L... java

12:31 | fxw-yivd-bpm

12:31 PM | fxw-yivd-bpm

People

- Darshit Kaushik
- deepak singh rajput
- dhruv Ramvani
- Disha Panigrahy
- E./Lekhray Chauhan
- Harsh Pandat
- Hirdesh lodhi
- Jyoti Nagar
- Kashish Narang
- khushboo Chaubey

40 others

DECENT WORK & ECONOMIC GROWTH

8 DECENT WORK AND
ECONOMIC GROWTH



The vertical Samruddh is drawn on the lines of SDG-8 on Decent Work and Economic Growth.

It aims to promote inclusive and sustainable economic growth, full and productive employment and decent work for our students. Where the goal aims to eliminate the worst forms of child labor, Samruddh takes a step ahead to make the students competent and skill-oriented to suit the industry needs.

Objectives

The objectives under Samruddh are identified as:

1. To inform students about the recent entrepreneurial trends based on industry needs.
2. To address the university-industry gaps for better student employability.
3. To empower students to explore alternate careers in ICT and e-learning.
4. To partner with local organizations and institutions to promote viable employability options in the surrounding community.

INITIATIVES

Manav Rachna University's Entrepreneurship Cell organized an E-Week. Packed with events both educational and fun, it shaped up to be an outstanding event with participants coming from the campus to learn and participate.

The Socio Link was a unique seminar based on the modernization of the business field and maximizing our usage of those tools, primarily LinkedIn. Aimed at learning information about job posting, LinkedIn also helps to keep updated about the ongoing hiring trends in different companies. Around 100 students participated in the seminar and were taught to explore the online platforms to the fullest. The guest speaker Prof. Subodh Saluja gave insightful tips and tricks into cracking their creative potentials and learning more about making tangible proposals from our imaginations.

Followed by Twisted Bits, a quiz to test the aptitude of our students to learn more about the business world, quizzing them on the ins and outs of the business world with the aim of fostering and encouraging them to look at business from a new angle whilst testing their creativity and quick-thinking skills. Attended by more 80 people, it was a resounding success.

Web it Up was one of the premier events of the E-Week, organized in association with IEEE WEB IT UP was a webinar aimed at drawing attention towards the hurdles faced in the life of an entrepreneur, establishing and bootstrapping new ventures through creativity and innovation.

The speaker for the session was Prof Dr. Ravinder Kaur, working with the Department of Electronics at Deen Dayal Upadhyaya College, University of Delhi was able to educate the students on vital skills for those pursuing careers in the Electric Vehicle Industry, Electronics & Computer Industry, Robotics, and numerically controlled machines. Headed by Ayush Tyagi, the event concluded successfully. Lastly Hunters for Hire, a fun campus-wide event aimed at helping students explore the wonderfully vast, distinctly diverse and rich campus at Manav Rachna University. Starting from I block going all around campus, it was a massive success with more than 180 active participants.



MANAV RACHNA UNIVERSITY
Declared as State Private University vide Haryana Act 26 of 2014



Business Haat

INITIATIVES



IIC session was conducted with AIC BIMTECH. MRU-E-cell under Innovation & Incubation MRU, organized a webinar in collaboration with Atal Incubation Centre - AIC-BIMTECH. The speaker for the session was an entrepreneur- Mr. Aditya Bose, CEO of Probano who addressed the students on the topic of “Exposure and field visit for problem identification”. The session also emphasized on design thinking and importance of problem finding, tools in the double diamond process, the steps and approaches of the double diamond process in design thinking and understanding of strategizing product innovation and business offerings using design thinking.



BUSINESS AND TACTICS

Creating young entrepreneurs

In another interesting initiative, the School of Management & Commerce in association with Innovation and Incubation MRU organized a three-day MarketPlace Business Simulation workshop for BBA students from 21st Nov-23rd Nov 2022. The Marketplace is the most realistic strategic planning and management simulation available in the world, letting you build an entrepreneurial firm, experiment with strategies, and compete with other firms in a virtual business world.

A total of 40 students participated in the workshop that were divided into 8 teams of 5 members each who had to compete in a market for Carbon Fiber Bike Challenge. This simulation workshop was an enthralling insight into the world of business development, sales, manufacturing and the intricacies of the creating and selling a product through four quarters. In these four decision rounds representing a year of compressed time, the students had to evaluate the market opportunity, choose a business strategy, refine marketing tactics, hire new employees, evaluate the tactical options, and make a series of decisions with profitability in mind. The decisions taken by the teams by each team were combined with the decisions of their competitors and run through a marketplace simulator. The results were then fed back to the players for the next round of decision-making. The last day had all the 8 teams presenting their entire product line with the performance in all quarters and the amount of money they would like to pitch for investment.

The entire simulation game was led by Master Simulation Coach- Dr Bindu Agrawal who is certified coach in the area of business simulation. Dr Bindu Agrawal along with Dr Pragati Chauhan- Hod SMC handheld the students to submit and present the results of each quarter and finally do a final submission. The students shared their feedback which expressed their much satisfactory learning exposure that they experienced through the simulation exercise and earned Marketplace US certifications.

All 8 teams and the team that performed the best in the simulated market were awarded participation and winner certificates respectively by Dr Parul Jhajharia-Dean SMC.



PEACE, JUSTICE & STRONG INSTITUTIONS



Sadbhav, derived from 'Sadbhavna', literally refers to compassion, a feeling generated across humanity through empathy, good will and faith. With Manav Rachna Centre for Peace and Sustainability focussing on the sixteenth sustainable development goal (SDG-16), 'Peace, Justice and Strong Institutions', Manav Rachna University (MRU) aspires to deconstruct the binaries and disparities prevalent in the society through Sadbhav. The SDG 16- Peace, Justice & Strong Institutions mandates, 'To maintain regional and global stability'. It is an approach toward peaceful and inclusive societies for sustainable development which provides access to justice for all and recommends building effective, accountable and inclusive institutions that aims at a significant diminishing of violence and chaos on the planet we live in. With our baby steps yet sustained efforts, we have built a reliable platform to spread the message of Sadbhav entrenched in the heart and soul of MRU.

Objectives

Manav Rachna University contributes to the realization of SDG 16 to its fullest through 'Sadbhav' through the following objectives:

1. To provide education and training programs that focus on conflict resolution, human rights, and other topics related to peace and justice.
2. To support research and innovation in areas related to peace, justice, and accountable institutions.
3. To raise awareness on aspects related to peace, justice, and accountable institutions into the curriculum.
4. To promote a culture of respect and inclusivity on campus, and taking steps to ensure that all members of the campus community feel safe and supported.

INITIATIVE

Rajyoga Education and Research Foundation on 19th February 2020, for faculty and students. B.K. Sonika, a Rajyoga teacher and trainer under the domain of the Om Shanti Retreat Centre (ORC), Gurugram was the speaker for the session. The aim of the session was to create awareness to live and work in a balanced, stress-free and positive way.

Stepping ahead in the journey of raising awareness through contemporary trends, MRCPS organised a webinar was organized on "Emotional Balance in current times" on 17th June 2020. The speaker Dr. Mohit Dayal Gupta, Professor of Cardiology & Medical Superintendent of Cardiac Sciences, GB Pant Hospital, New Delhi explained the relationship between Emotions and well-being.

A Webinar on 'Balancing Self, Family and Profession' by Sister B K Shivani on 27th June 2020. She emphasized that the physical comfort is different from emotional comfort. Sister Shivani explained that thoughts and feelings are our internal creation. Like we work hard to earn money and everything that money can buy, we also need to create happiness, peace and love. She stressed upon balancing both material and emotional dimensions of our life especially as an educator.



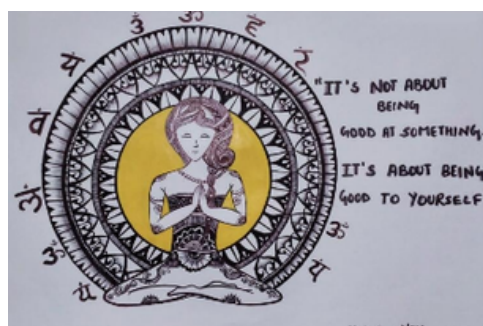
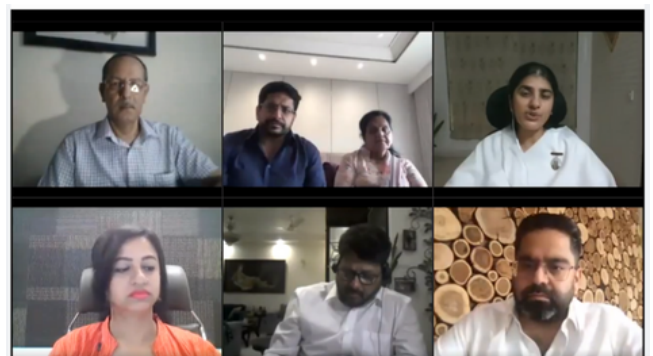
INITIATIVE

Manav Rachna Peace and Sustainability Club organized #RealLifeHeroes campaign on the occasion of World Humanitarian Day during the last week of August 2020. It was to share stories of humanitarian efforts that inspire us during the Pandemic crisis and thank our heroes for their great service to humanity. Day was celebrated to say 'thank you' to those humanitarian workers who gave their lives or were injured while providing life-saving support and protection to people in need.

A webinar on "Science and Spirituality in daily life" was scheduled on 15th September 2020. Swamiji elaborated the scientific nature of meditation and importance of spirituality in daily life. He made the participants to do meditation.

Session on "Inner power for success", "Inner Peace through Inner Technology" by IT Wing of Sanvad: Message of Bhagwat Geeta

To initiate a dialogue on the message of spreading peace through decoding noble messages in Srimad Bhagwat Geeta, a virtual dialogue was organized by eminent speaker Padma Vibhushan Dr Karan Singh along with Hon'ble patrons Smt. Satya Bhalla, Dr Prashant Bhalla, Prof I.K. Bhat, VC MRU. The webinar focussed on the representation of varying age groups with rich inputs coming from the participants and attendees.



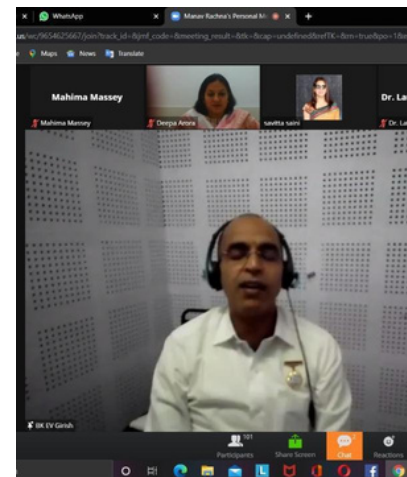
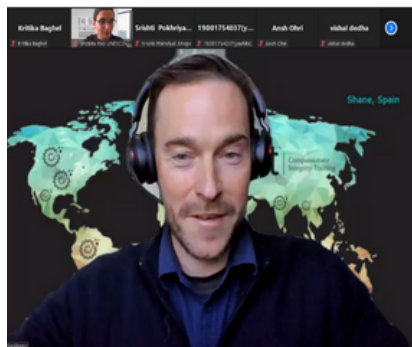
INITIATIVE

Poets in the Dark: Poetry Against Social Injustice

Poems make us rethink, the way society and all of us are moving. MRCPSSC organized 'Poets in Dark- Poetry Against Social Injustice'. Organized through a virtual meeting, the writing competition raised voice against social injustices in words. The event involved participation from across the institutions and covered around 50 participants from universities across India from institutions like FORE School of Management, Delhi, Technological University (DTU), Xavier School of Management (XLRI), Jamshedpur and many more on the list.

Sound of Silence

Sound of Silence (Manav Rachna Meditates), a webinar was organized to inculcate strong meditation practices in the daily routine of MRU's cosmos. The session informed the students and faculty members of having a robust meditation routine for emotional and mental well-being. The webinar led to identifying more resource persons for organizing webinars on emotional learning for empathy and kindness.



UJLKA YOGA ART COMPETITION

YUJKALĀ: Mandalas helps the creator engage in personal reflection and spiritual growth. It combines Yoga & Wellness. Mandalas and Yoga is used by people of many cultures and religions, including Buddhists, Tibetans and Hindus, for personal reflection and deep spiritual growth. Being a complex form of art combining geometric patterns, religious symbolism, and layers of meaning to create a masterpiece that acts as a symbol, prayer, meditation exercise, and holy blessing all in one, the event was thoroughly enjoyed by the participants as many insightful learnings emerged from the students.

YOGAZING CARNIVAL





PROJECTS

OUR PROJECTS

PEHEL



For providing and promoting Quality Education, the MRCPS initiated Pehel, wherein volunteers adopted one or more than one child who needed help, nurtured them with education, thus helping them on their academic and career progression. The aim was to give wings to the future ones. The project had 70+ volunteers working with their best efforts to help them in their studies, smoothen their educational journey and contribute towards the societal development. The project was implemented by vertical head and co-head, Ms. Aishwariya and Ms. Lipika.

Mission

The project aimed at the provision of quality education to a massive chunk of learners, irrespective of the age and crossing every other barrier that comes in their way.

Vision

The project is envisioned to eliminate all discrimination in education by enhancing the learning skills of educators as well as learners.

Manav Rachna Centre for Peace and Sustainability (MRCPS) organized various events, projects and workshops to usher change in the quality education concept and make changes through significant steps. Prakarsh has worked sincerely to work on the implementation of the SDG goal 4, Quality Education. Besides focusing on the school visits on education days, Pehel raised awareness about language instruction based on the mother tongue along with teaching-learning methods workshop, book donation drives, art and creative competition to spread awareness about the Sustainable development Goals. Implemented under a three-step strategy, Pehel has turned out to be a defining feature of Prakarsh spanning across eight months.



4 QUALITY EDUCATION



OUR PROJECTS

ESDP



To ensure school education is introduced to the SDGs, MRCPS initiated a short-term course on the Essentials of Sustainable Development Program (ESDP) to induct the school-going students with the conceptual awareness of SDGs. Schools were visited for a consecutive 9 days for 4 hours daily.

The students were introduced to the 17 Sustainable Development Goals through different activities. Through a steady diagnostic enquiry, the lectures were oriented towards experiential learning, thus grounding their knowledge through observation in their surroundings.

While addressing all the SDGs in details, the students were encouraged to harness their creativity and potential and making the best out of waste.



THE GLOBAL GOALS



OUR PROJECTS

ANG



Adopt, Nurture, Grow Plantation Campaign was launched at the Manav Rachna University, inaugurated by Sh. Jitender Yadav, IAS, Deputy Commissioner, Faridabad in the presence of Prof. (Dr.) I K Bhat, Vice Chancellor, Manav Rachna University (MRU). More than 500 'Green Warriors' of Manav Rachna Centre for Peace and Sustainability, MRU pledged to spread awareness about Adopting Nurturing and growing plants to protect the environment. Sh. Jitender Yadav bedded a sapling and expressed his desire to monitor the progress of the plant by personally visiting the campus at intervals. He mentioned, "There is no Planet B and we need to take care of Mother Earth by planting saplings and taking care of them, besides protecting our trees". He also handed over the saplings to the students for adoption and to nurture the plants so that it can be planted to grow into a tree.

In endeavour Go Green, Manav Rachna seeks to empower youth to be at the forefront of this mission. A team of Green warriors is being raised in MRU who would be spearheading this movement to spread the message of saving environment and attaining carbon neutrality to masses. The university is making every effort not only to make campus eco-friendly, green and carbon neutral but also to contribute a bit to make surrounding carbon neutral.



15 LIFE ON LAND



BUTTERFLY GARDEN



On the occasion of the commemoration of the Silver Jubilee of Manav Rachna Educational Institutions, a Butterfly Garden was launched at the Manav Rachna campus by Smt. Smriti Zubin Irani. Manav Rachna in pursuit of its continual effort of celebrating nature's gift to mankind created a Butterfly Garden, to enhance the population and diversity of Butterflies in Manav Rachna Campus and its surrounding. Butterflies indicate the health of eco system and play very important role in the food chain and further attracts the birds to the campus making it campus biodiverse. The features of butterfly garden: Host plants and Nectar Plants: This garden has more than 25 varieties of plants which are either host plants and nectar plants such as, Curry leaves, Adulsa, Vajradanti, Madar, Bamboo etc.

Host Plant serve as the cradle where eggs are laid on and larvae use as their food source, while the nectar plant – provides rich sources of food for adult butterflies. With a diverse Rock/Pebble Area, Grassy Areas, to facilitate the butterflies to bask in the sun and warm their bodies and dry their wings, MRU boasts of hosting native species namely, Common Lime, Pioneer, Peacock pansy, Common Castor, Common Jay, Oriental Plains Cupid, Common Silverline, Blue pansy, Common Emigrant etc.



15 LIFE ON LAND





BUTTERFLIES OF MANAV RACHNA

OUR PROJECTS

PEACE CORRIDOR



MRU believes in promoting its youth to be at the centre of Change and Innovations. Hence, they ought to be empowered and be physically and mentally strong enough to make them key agents for the nation's peaceful development.

To reinforce this belief, MRU has constructed a peace corridor wherein the word peace has been depicted in multiple languages and dialects across the world, from ancient to new one. Our student volunteers worked upon finding accurate translations through websites and engaging with people from different nationalities.

The Youth too from different courses and schools were encouraged to write the word peace in different languages on a colossal world map as per their country of origin, under the aegis of the 'peace project'. Our students took the lead in catering to Indian languages first, thus promoting their faith in our national and cultural heritage. MRCPS aspires to create a peaceful youth who can build a conflict free world. With the same hope and aspiration, MRU initiated project Peace Wall calling hundreds of volunteers to work selflessly



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



OUR PROJECTS

KUCH KEHNA HAI



The vertical Parashakti operational under Manav Rachna Centre for Peace and Sustainability initiated a project named Adhunik Shiksha which aims to spread awareness about good touch and bad touch amongst the school students belonging to the age group of 4-9 years. This project was implemented by student head of Centre, Ms. Avni.

Through spreading awareness about such a sensitive topic, the team ensures that every child irrespective of the gender is aware about the repercussions the victimizer will face if certain body parts are being touched or the child is exposed to some pictures or actions that either makes the child uncomfortable or generate in them the feeling of disgust.



5 GENDER
EQUALITY







CATERING TO OTHER SDGs

With persistent efforts of the MRU family, initiatives have surpassed the scope of verticals only as we aspire to acquaint the campus with each SDG through our modest initiatives. Here are a few glimpses of MRU's outreach with respect to catering the remaining SDGs.

SDG 01

NO POVERTY



SDG 1 calls for the eradication of poverty in all its manifestations. It envisions shared prosperity, a basic standard of living and social protection benefits for people everywhere, including the poorest and most vulnerable. The goal seeks to ensure equal rights and access to economic and natural resources. MRU with OP Bhalla Foundation through initiatives like 'EK Mutthi Daan' have reached out to the needy families, especially during the Covid times to help and sustain BPL families by donating as much as 5000 kgs of dry grains under mega donation drives.

Ek Mutthi Daan has been one of MREI's key campaigns organized annually for the betterment and nourishment of the needy and poor in our society and MREI have always played a major role in the success of this campaign.

SDG 02

ZERO HUNGER



SDG 2 aims to end all forms of hunger and malnutrition by 2030, making sure all people—especially children—have sufficient and nutritious food all year. This involves promoting sustainable agricultural, supporting small-scale farmers and equal access to land, technology and markets. In memory of our Late Founder, Dr O P Bhalla, a movement “No one Sleeps Hungry” was started on March 09, 2014, by our Chief Patron, Mrs. Satya Bhalla to create awareness on eradication of hunger from our society.

"One cannot think well, love well, sleep well, if one has not dined well."

- Virginia Woolf

MRU celebrates The World Food Day annually as the theme revolves around leaving 'no one behind in fulfilling the absolute need for food'. The world needs to have sustainable options to ensure food accessibility for all, and coming together of everyone towards this cause is bare essential. MRU does its bit through one-of-its-kind initiatives, namely, 'Are you helping a hungry fellow human being today?'

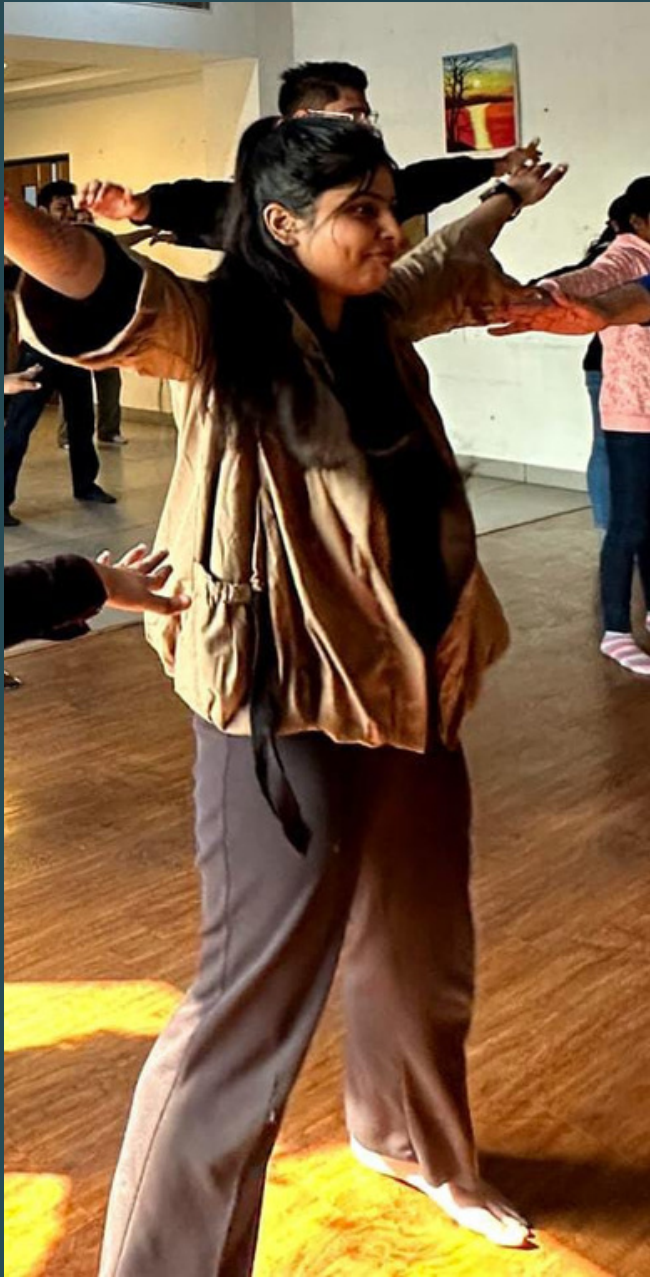
SDG 03

GOOD HEALTH AND WELL BEING

SDG3 caters to good health and well-being which cannot be achieved without a clean environment. Cleanliness refers to the state of being clean. Therefore, cleanliness demands a commitment from an individual to be pure and clean as it helps in maintaining a healthy mind and body. In view of this SDG, MRU Hostel Team has initiated a "CLEANEST ROOM AWARD" from September, 2021 onwards. The rooms were evaluated for cleanliness & aesthetics every month on 3rd Saturday by external members of Teaching & Non-Teaching members across the university.

In yet another significant achievement, MRU in collaboration with OP Bhalla Foundation organizes an annual blood donation camp. The act of giving brings happiness to the receiver and a feeling of contentment to the giver. Dr O.P. Bhalla, the founder visionary of Manav Rachna believed in the power of giving and tirelessly worked towards betterment of the society. On his remembrance every year i.e., September 16, Manav Rachna family organizes a Mega Blood Donation Camp as an ode to the wonderful legacy of the life he left behind.

Helping the community when needed the most is a characteristic that only a few can display. Manav Rachna is an institution that believes in serving the nation through many communal services. Mega Blood donation drives have now become an annual feature for Manav Rachna since 2013. The success of the camp is taken forward by the students, faculty, and staff as they come forward and experience the joy of giving and act as a ray of hope for the ones who require it during testing times.

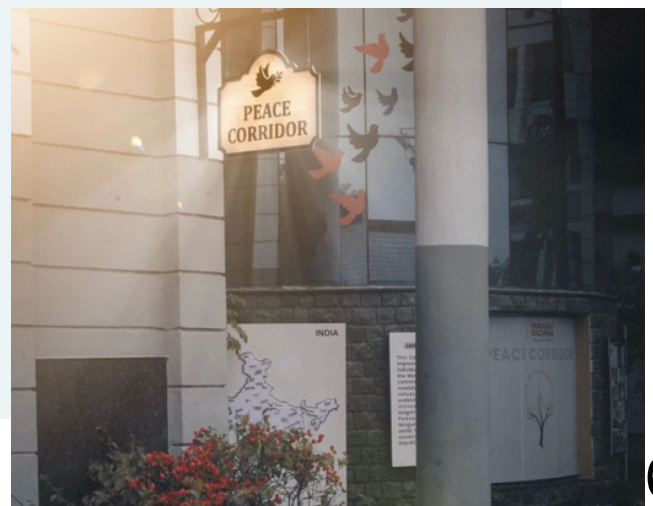


SDG 09 INDUSTRY, INNOVATION & INFRASTRUCTURE

To develop an entrepreneurial attitude in students, MRU swears by promoting impactful collaborations with renowned professionals and enterprises in the field of finance and management. Young professionals who manage their personal finances are also seen as sensitive to employer's financial resources and are hence more preferred. School of Management and Commerce, in association with BFSI and the Bombay Stock Exchange organized Investor's Awareness Program for students to equip them with money management skills as they enter the corporate world. Students made the best use of this opportunity to learn from Industry leader Mr. Kadam Juneja, a Resource Person from BFSI. They learned about minute details of the stock market, mutual funds, savings, the prerequisites of 3 accounts for investing in the stock market, and risk levels in mutual fund schemes.

"A big business starts small"

With this thought, the School of Management & Commerce, Manav Rachna University organized a Business Haat to invoke an entrepreneurial mindset among the students. Students depicted management mantras and showcased their work which clearly reflected their efforts, capabilities, and creativity.



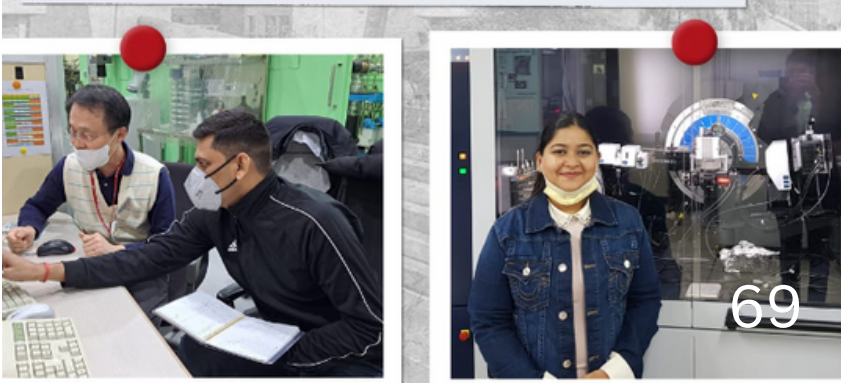
Further, the School of Management and Commerce organised a workshop on "Creative Problem Solving using Edward de Bono Techniques" in collaboration with the International Skill Development Corporation (ISDC). BBA and MBA- Business Analytics students attended the workshop. Teresa Jacobs shared the Six Thinking Hats with students and introduced them to Edward De Bono's philosophy of creative thinking and problem-solving. She shared the value of focusing on both good and negative aspects as well as how to handle one's academic and personal difficulties.

In its regular efforts to augment research, Manav Rachna University awarded financial assistance to its faculty member Dr Aditya Sharma (Faculty In-Charge, University Instrumentation Centre) and student Jahnvi Sharma (MSc Physics) for conducting research experiments at Pohang Accelerator Laboratory, South Korea. The outcomes of the experiments helped to find applications of Nano-Hybrid materials in Gas-sensors, Solar-cells, Batteries, photo-catalyst and bacterial-cell entrapment.

Ideas toppling at Startup Conclave 2022

Startup Conclave 2022 at Manav Rachna University was an enriching session where mantras and guidelines for entrepreneurship were discussed. Mentors Dr Munish Jindal, CEO, Hoverrobotix, Founding President - MENTORx; Mr. Nitin Pahuja, Co Founder, Push Sports, Step1 Advertising; Ms. Manleen Kaur Mahajan, Public Relations & Brand Communications Consultant, Everest Fleet North, Young Volunteers Organisation; Mr. Ambrish Ranjan, Vice President, Asort; Dr.Nancy Juneja, Founder & CEO - RevUp Life skills Unit, Co-Founder, MENTORx; Mr. Rajnish Kapoor, Managing Partner, IAN Fund, gave a focused approach to students to amplify their idea.

Students participated with full enthusiasm and presented their ideas, and discussed the solutions for challenges faced during the start-up. The session built the confidence of students to initiate their ideas and work to present to the world.



Twin brothers Yashraj & Yuvraj from B.Tech, CSE, Batch 2021 of MRU became the founders of Zenith Vipers that encouraged students to develop ideas and research projects aimed at improving the society, they are among the youngest Indians in the final list of the revered Padma Shri Award 2018. Yash & Yuvraj work towards the betterment of the community with the help of technology and have research projects in various areas, such as intelligent water purifiers, brain-computer interface products, and an all-in-one medical assistance machine.

With 36 research papers, 15 total patent applications, and 15 plus awards, they are making a solid mark in the world. MRU takes pride in nourishing the calibre of such genius minds and chisel their entrepreneurial and research journey which has taken wings at such a young age.

MANAV RACHNA UNIVERSITY
[vidyagatavilashai] | MANAV RACHNA UNIVERSITY
Declared as State Private University vide Ministry Act 28 of 2014

#AlumniAchiever

Congratulations
Rising Entrepreneurs

YASHRAJ BHARDWAJ & YUVRAJ BHARDWAJ

B.Tech in CSE
Class of 2021, SoE, MRU

Founders

zenith
VIPERS

Karamaveer Chakra Awardee
Nominated for
Padma Shri Awards 2018

SDG 10 REDUCED INEQUALITIES

"I alone cannot change the world. But I can cast a stone across the waters to create many ripples."

- Mother Teresa

Innovation & Entrepreneurship Club (I&E Club) under Pre-Incubation Unit, Manav Rachna University conducted a series of events at the "Entrepreneurship Zenith". Dr Pradeep K. Varshney, Dean Innovation and Research; Dr Parul Jhajharia, Dean School of Management and Commerce; Dr Shruti Vashisht, Dean Engineering and Examinations; Dr Babita Parashar, Dean School of Education; Dr Geeta Thakur - Dean Student Welfare attended the event along with the participating students. A Panel discussion on "Women, the torchbearers in the Innovative Start-up world" comprised women innovators sharing their entrepreneurial journeys, challenges and skill sets that are needed to create a sustainable and equitable future. The panel comprised of Ms. Gurrit Kaur Sethi - Founder Mind-my-mind and Chief Operating Officer at CARE Hospitals; Ms. Sartaj Lamba - Founder & CEO of 'Be sure' Buddy Pvt, Chairperson of AJ Group of companies and a Traffic Marshall; Ms. Suvarna Raj - International Para Athlete, Medalist, Founder of Women with Disabilities Network and MD at Sugamya - Accessibility & Inclusion; Ms. Aarti Bindra - MD at ACPL Systems, Klassify Technology, AttackFence & a Cyber Security Specialist and Ms. Prachi Kaushik - Founder & Director of Vyomini Social Foundation (VSF) and a TEDx speaker.

This was followed by a Keynote session on "Bootstrapping your Start-up towards profitability" by Mr. Shubham Maheshwari - Founder, Being Chef. The day culminated with "PITCH DECK - Idea Pitching Competition" where more than 30 brilliant ideas were presented by the students. Prof. (Dr) D.S.Sengar also shared his insights with the students on the role of innovation and creativity in turning their Entrepreneurial dreams into reality.

Manav Rachna respects the abilities of specially-abled. At all our Institutions, our students are prepared to respect the specially-abled children. A special education department (SEN) is integral to Manav Rachna International Schools. Our SEN students take part in competitions and are growing with new skills and knowledge. We aspire to help them reach greater heights. We celebrate them.

SDG 11

SUSTAINABLE CITIES & COMMUNITIES

The eleventh SDG focuses on making cities inclusive, safe, resilient, and sustainable. MRU pledges to be a continuous support system of our community and extend all possible help that promotes ecological well-being and sustainability at all costs.

Following the footsteps of the great social reformer, Dr O.P. Bhalla, Dr O.P. Bhalla Foundation along with the Bansal and the Dhal family initiated a PNG Cremation Facility at the Swarg Ashram, Ajrona Crematorium in 2018.

Smt. Satya Bhalla, Chief Patron, Manav Rachna Educational Institutions (MREI) along with dedicated this facility to the citizens of Faridabad in the presence of Former Cabinet Minister Sh. Vipul Goel Being the first of its kind, pollution-free and cost-effective piped natural gas-based cremation system in Faridabad city, it hosts state-of-the-art modern cameras to enable people living in foreign countries to watch the final rites of their near and dear ones virtually.



Manav Rachna family initiated a PNG Cremation Facility at the Swarg Ashram, Ajrona Crematorium

Sustainable living is fundamentally the application of sustainability to lifestyle, making choices and taking decisions. With this pursuit, Dr O.P. Bhalla Foundation along with the Department of Computer Science and Technology, Manav Rachna University organized "Sustainable Community Living" to commemorate 25 Years of Transforming Education and the Silver Jubilee celebrations. The workshop was orchestrated in association with Radio Manav Rachna, Daksh Foundation and MRIS-Charmwood, Faridabad.

The workshop was coordinated by Prof. (Dr) Parneeta Dhaliwal, Head, RCC, MRU. Ms. Durga Bhardwaj, 3rd-year law student, MRU and Ms. Navya Dhariwal, 3rd-year B.Tech DTE student, MRU were the moderators for the events held during the day.

DR. NC Wadhwa (IAS Retd) Director-General, MREI, and Dr. MM Kathuria, Trustee, MREI; Ms. Sanyogita Sharma, Director- MRIS; and Dr Suchitra Bhattacharya (Principal, MRIS Charmwood) welcomed the guests and speakers of the day - Mr. Arun Malik Executive Director India Hub, QuEST; Dr. Kavita Malik, Director, Learning Institute for Style and Arts; Ms. Aparna Kale (Sustainable Lifestyle Leader), Mr Arun Gupta (Convener, Paudha Bank), Mr. Ankur Sharan (COO, Daksh Foundation) and members of the Eco-Club – Ms. Neeta Gupta, Ms Mamta Srivastava, Ms Pallavi Sachan, Ms. Shalini Agarwal and Dr. Kamna Bakshi.

The program was attended by over 120 participants including Ward Councilors, RWA representatives, and students. The event included workshops by Ms. Aparna Kale and Eco-Club on Growing Microgreens and Waste Segregation and Composting respectively. A parallel kids' workshop was conducted by Mr. Ankur Sharan, Daksh Foundation on 'Sustainability Tips and Calligraphy'.

A one-day workshop on "Solid Waste Management" by Dr Apurva Rai was organized by Sahrita and Eco-club, Department of Chemistry, MRU in collaboration with the Hazardous Substances Management Division, Ministry of Environment, Forest & Climate Change, under the Central Sector Scheme.

The workshop was convened by Prof. Meena Kapahi, Department of Chemistry, MRU, where she welcomed the speaker along with all participants after introducing the speaker. More than a hundred participants attended the workshop including UG and PG students, Ph.D. scholars, and professionals from various academic institutions and industries like Lucknow, Central University, Gujrat; Central University of Jammu (J&K) to name a few. Dr Apurva Rai conducted a technical session on the generation and classification of solid waste.

Sustainable Community Living Workshop under Swachh Faridabad Campaign

The 2nd International Conference on "The Green and Sustainable Chemistry Conference, sponsored by SERB DST, along with DRDO, India, and NHPC, Faridabad, was held at Manav Rachna University. The conference aimed to bring awareness and practices for a greener and cleaner environment.

Prof. I. K. Bhat, Chairperson of GSCC 2022 and VC, MRU highlighted, "A sustainable world requires generational transitions: in attitudes, in practices, and technology." Renowned dignitaries from the field of Chemistry and Science at the National and International levels took part in the conference, and shared their thoughts, experiences, and ideas for more innovative methods to develop an environment free from chemicals.

Emphasis was laid on waste management techniques, the importance of alternate fuels, and developing efficient synthesis of natural products like small molecules and how the Anti-proliferative activity of molecules performed with different cancer cells.

The conference received about 88 abstracts for oral and poster presentations, with 37 poster presentations and 51 oral presentations. Students were enriched by the studies and gathered inputs from the presenters.

Contributing to sustainable cities, MRU traversed another domain towards servitude with the help of advanced knowledge and technology. Where technology solves many of humankind's problems to make life comfortable, artificial Intelligence uses behavioural data to understand the connection between disease, patients, and treatment. Understanding the relevance of AI for the contemporary world, the Department of Computer Science & Technology, Manav Rachna University, organized a seminar series on "Computational Techniques for Gait Profiling in Children with Cerebral Palsy for Rehabilitation" & "Advancement and Current Trends in Autism Spectrum Disorder using Artificial Intelligence."

Dr. Chandra Prakash, Ph.D. Machine Learning, Dr. Rahul Katarya, Ph.D. IT discussed how nature-inspired meta-heuristic algorithms classify gait patterns into normal and CP-based pathologies for automated gait profiling children with cerebral palsy. Advancement in the medical field is a blessing for humanity and the student attendees took back a profound insight into the field and a renewed appreciation for the world-changing capacity of technology.



Together for Transformation

SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Plastic waste management Awareness Drive

A plastic waste management awareness drive to Govt. Sr. Sec. School, Anangpur, Faridabad, was conducted by Manav Rachna University in collaboration with the Hazardous Substances Management Division, Ministry of Environment, Forest & Climate Change, under the Central Sector Scheme. The students enthusiastically participated in the drive. They took the pledge on "Say No to Single-use Plastics". The drive consisted of an awareness session on plastics and solid waste management accompanied by the following events:

1. Slogan writing competition
2. Poster-making competition
3. Best out of the waste competition
4. Signature campaign on Single-use Plastics
5. Pledge - "Say No to Plastics" More than 131 students (classes VI to XII) participated in the events followed by prizes (I, II & III in each category) distribution.



Mega Plantation Drive

MRU's clans under Department of Student Welfare Manav Rachna University organized a MEGA Plantation drive under Pariyavaran Sanrakshan Gatividhi in all the adopted villages Dayalpur, Gadkheda, Atali, Chhainsa, Mothuka with an enthusiastic participation of its faculty members and students in large numbers. As per the requirements of each village, saplings of Peepal, Bargad, Jamun, Neem, Gulmohur, Amaltas, Guava, etc were planted in hefty numbers. Around 1500 plants were planted on the spot.



Visit to NGO Earth Saviour Foundation

Faculty members and students of the Computer Science & Technology Department, Manav Rachna University, visited NGO Earth Saviour Foundation, on 10th March 2022. The foundation was founded by Shri Ravi Kalra who dedicated his life to serve underprivileged & deserted people and made all efforts to protect the environment. Before the visit, CST department conducted a drive to collect daily routine items along with medicines. Mr Jas Kalra, President, Earth Saviours Foundation (a young 22-year-old boy), who has dedicated his life for this noble cause, guided the students how to give back to society, spread happiness around and not only live for oneself but others also. Students and faculty members interacted with residents, heard their stories and also involved them in some special activities like dancing, singing and lunch distribution.



Cleanliness drive and installation of dustbins at Mata Mandir, Anangpur, Faridabad.

A cleanliness drive including dustbin installation was conducted at Mata Mandir, Anangpur, Faridabad. It involved cleaning the temple, front space and backyard of the temple. The faculty and student volunteers and house-keeping staff participated in the drive. The dustbins were installed in the temple premises to initiate the segregation of dry and wet wastes. The entire event was appreciated by the temple administration.

SDG 15

LIFE ON LAND

SDG Life on land aims at a flourishing life on this planet as a part of building resilience. Being a part of the planet's ecosystem, we have severely impacted and continuing to exhaust its resources through deforestation, loss of natural habitats and land degradation. Promoting a sustainable use of our ecosystems and preserving biodiversity is not a cause but a key to our own survival.

To achieve this, MRU organized Swachh Bharat Harit Bharat Green Pledge ceremony for the students and faculty members and community in the offline and online mode. A google link for registration and Green Pledge was shared with the various groups in contact apart from the faculty and students.

Apart from this, an awareness session on Plastic waste management was organised on RMR 107.8 as part of community lecture series on World Environment Day 2022. The expert of the session Mr. N. Subrahmanyam (Dy. Director, Ministry of Environment, Forest and Climate Change) enlightened the audience about the single- use plastics. The way plastics has infiltrated our lives and impacted the environment. The esteemed speaker talked about the non-biodegradability and various end of life uses/disposal of the plastics. Mr. Subrahmanyam explained various improper disposal methods adopted by all of us which are threatening the environment including marine environment. As per the initiatives by GoI, he further discussed the PWM Rules 2016 and its amendments under the Environment Protection Act and urged the community to eliminate the usage of plastics or use to its maximum extent. Twelve single-use plastics have been banned including plastics cutlery, straws, earbuds, etc. He further shared the Extended Producer Responsibility Guidelines (Jan 2022) in the session where in the producers must recycle the products used/discarded by their consumers and send the same to the recycling units.

In yet another feat to achieve SDG 15, Manav Rachna University was awarded the Motherland Achiever Award, in collaboration with the Indira Gandhi National Centre for the Arts, Ministry of Culture Govt. of India and a leading Hindi Dainik Hindi Newspaper Motherland Voice. Chief guest present Shri. R.K. Singh, Minister of Power and Minister of New and Renewable Energy and guest of honor was Shri Manoj Tiwari, MP(Lok Sabha). for outstanding contribution to Environment Awareness Institutions in Preserving Cultural Heritage. Dr I.K. Bhat, Hon'ble Vice Chancellor, MRU, and Dr. DS Sengar, Pro Vice Chancellor, MRU received the award in the award ceremony. Manav Rachna University created a niche by becoming a part of the 12 universities in India that have received this prestigious award.



Manav Rachna University conferred with

Motherland Achiever Award

Universities in Preserving Cultural Heritage

by



INDIRA GANDHI NATIONAL CENTRE FOR THE ARTS
Ministry of Culture, Govt. of India



SDG 17 PARTNERSHIPS FOR THE GOALS: MRU'S COLLABORATIONS

Collaboration with UNESCO-MGEIP

MRU has entered into a Partnership Agreement with UNESCO-MGIEP (Mahatma Gandhi Institute of Education for Peace and Sustainable Development) regarding SEEK (Self-directed Emotional Learning for Empathy and Kindness) course which was offered to all undergraduate and postgraduate students as value added courses. The officials from UNESCO visited and interacted students as we had highest enrolment and completion rate.



IPRA

MRCPS has collaborated with Institute of Peace Research and Action (IPRA) on 10th February 2020. IPRA is the organization that is engaged in peace activities since last five decades. It contributes in dissemination of knowledge in the area of peace, and has completed many successful projects and published books in the area of Sensitizing society on Peace. They have conducted seminars and organized peace lecture series involving faculty and staff of reputed organizations. The collaboration of MRU and IPRA will be for collaborative research and developmental projects national/ international conferences / seminars jointly



MRU: SUSTAINABILITY AND LEGAL REVIEW

Having a robust legal framework to implement the SDGs becomes crucial for university systems to appropriately define, implement, and enforce the scale of human and non-human use of resources, and the distribution of these resources.

The section presents different legal dimensions and parameters of MRU, with the intent to analyse the legitimacy and the applicability of the statutory approvals and permissions sought/ to be sought, for its effective implementation after being compliant with law.

Legal aspects act as a crucial aspect for any institution to function in an uninterrupted manner. Various legal documents were reviewed in the due process of preparation of this report.

To analyse legal aspects of sustainability of MRU, the review analysis has been categorised in the following categories which also considers the various statutory compliances undertaken by the university over a period of time;





☒ Fire-related no objections

Fire NOCs are obtained to ensure infrastructural safety and security of human lives. Any mishap due to any fire accident can potentially result in serious human injury and property damage. Since fire-related accidents occur unexpectedly and are not predictable, it is judicious and crucial for every institution to take all the required precautions to avoid any such fire accidents from the Fire Department.

MRU has all the requisite Fire NOCs in place which ensures that the necessary mechanisms are installed in the building premises which meets all the standards and guidelines prescribed for fire safety issued by the BIS (Bureau of Indian Standards). It also ascertains that the building is safe against fire outbreak in the building.

☒ Grant of permissions for change of land use

The department of Town and Country planning, Faridabad, Haryana regulates the development to check the haphazard development in and around towns in accordance with the provisions of statute. Accordingly, MRU has been granted the requisite and necessary approvals for the purpose of construction of infrastructure.

Further, to involve the private sector in the process of urban development, the Department has granted all the necessary approvals for the Grant of Permission for Change of Land Use as issued by the Director of Town and Country Planning, Faridabad, Haryana are in place with the university.



Grant of Consents by Municipal Corporation

There are two types of the Consent i.e., Consent to Establish (CTE), and Consent to Operate (CTO). Consent to Establish is required to be obtained before establishing any industry, plant or process which is the primary clearance. While, the Consent to Operate is granted once the industry, plant or process are established according to mandatory pollution control systems subsequently such units are required to obtain Consent to Operate. It has been inferred that the university has all the requisite approvals from the Municipal Corporation Faridabad, Haryana that states, "building has been completed in every respected and found fit for occupation in accordance with the plans sanctioned vide memo no. 19687 dated 23-12-2004 by this office and changes at site in violation of sanctioned building plans have been regularized".



Committee on Gender Sensitisation against Sexual Harassment

In compliance of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, the university already has a Committee against Sexual Harassment in place. This Committee has been formed keeping in view the university Grants Commission (Prevention, Prohibition and Redressal of Sexual Harassment of Women Employees and Students in Higher Educational Institutions) Regulations, 2015. A robust five-member team regularly reviews and recommends measures from time to time for effective implementation.



☑ Water Management

The university has all the water management techniques aligned for the purposes of ensuring sustainable development by minimising the usage and subsequent wastage of water. The university has established various water management techniques which follow the statutory environmental laws as has also been highlighted under the Haryana State Action Plan on Climate Change.

☑ Waste Management Agreements

MRU has entered into and executed all the necessary relevant agreements with the registered and approved organisations for the purposes of e-waste management, solid waste collection and handling, safe disposal of hazardous waste (used/waste lube oil) and bio-medical waste management. The university is also in compliance with all the terms of the said agreements executed between the university and the respective organisations.

The university has all the licenses and approvals from the relevant concerned governmental departments and authorities in place. The university has accomplished a major milestone in attaining various requisite statutory approvals which have also been renewed and maintained by the university over a period. MRU perseveres to maintain these statutory compliances and approvals from time to time to ensure a positive endeavour towards maintaining a sustainable environment within the campus which shall ensure longevity of the university and the durability of its operations by safeguarding compliances timely.





CURRICULUM MAPPING APROPOS OF SDGS

Curriculum Mapping and Integration of Sustainable Development Goals (SDGs) through project-based Learning at Manav Rachna University In the realm of modern education, the role of curriculum mapping is pivotal in aligning educational objectives with desired outcomes. In the context of academic teaching and learning, the United Nations Sustainable Development Goals (SDGs) provide a comprehensive framework for addressing global challenges. Manav Rachna University has recognized the significance of SDGs as a guiding tool for developing a curriculum that promotes holistic education and sustainable development. Manav Rachna University employs curriculum mapping with SDGs and integrates Project-Based Learning (PBL) to cultivate skills and competencies among students to contribute to the achievement of these goals.

Curriculum Mapping and SDGs

Curriculum mapping involves the process of systematically aligning educational goals, content, and assessment methods to ensure coherence and relevance. In the case of Manav Rachna University, the curriculum is designed with a clear focus on the United Nations 17 Sustainable Development Goals. These goals encompass a wide range of social, economic, and environmental issues, emphasizing the interconnectedness of global challenges. By mapping course content and learning outcomes to these goals, the university ensures that students are exposed to critical issues and are prepared to contribute positively to society. The following is programme wise curriculum mapping of each department of University against SDGs.

Department	Programme	SDG
ECE	B.Tech ECE/VLSI	1,3,9,11,12,13,14,15
CST	BTech CSE	3,4,5,8,9,16,17
	M.Tech	3,4,5,8,9,16,17
	Ph.D	9
Sciences	Physics	3,4,6,7,9,11,13,14,17
	Chemistry	3,4,6,7,13
	Mathematics	3,4,16
EDUCATION & HUMANITIES	All Programmes	3,4,5,10,16
LAW	All Programmes	4,5,8,10,13,16
Management and Commerce	MBA BA	4,9,17
	BBA-FAA	4,8,17
	BBA EFB	4,8,12
	BBA HCM	3,4,6,9,14,17
	BBA BA	4,9,17
	BBA GOM	4,9,12,17
	Ph.D	4.5,8,9,17

ESSENTIALS OF PEACE AND SUSTAINABILITY

Course on Essentials of Peace and Sustainability offered as an elective subject to undergraduates of Manav Rachna University, Manav Rachna Centre for Peace and Sustainability, at Manav Rachna University, has developed an insightful course entitled Essentials of Peace and Sustainability. This course is made available to undergraduate students as an elective subject, with the primary objective of fostering greater awareness of the ambitious Sustainable Development Goals (SDG) agenda of 2030, its various components, and imparting the knowledge and skills required for peace-building.

The course draws upon experiential and project-based learning approaches, as well as collaborative and cooperative learning strategies, to provide learners with a comprehensive and immersive educational experience. As part of the course, students select a specific SDG and propose a solution based on their acquired knowledge in their respective domains, making the learning experience both practical and impactful. To ensure the quality and rigor of the course content, it is developed by a team of experts in the field of Peace and Sustainability.

The course is delivered in a blended mode, leveraging technology and traditional methods to provide students with the flexibility and convenience of learning in a manner that best suits their needs. The course has so far successfully completed by 450 students, making it a valuable and sought-after addition to the academic offerings of the university.

COURSE OFFERED TO FAKIR MOHAN UNIVERSITY

The course entitled Essentials of Peace and Sustainability; is presently being offered to Fakir Mohan State University, Balasore, Orissa. This course is offered in a blended mode of delivery, wherein the theoretical components are imparted through our esteemed university through virtual platform Canvas, while the practical aspects are being attended to by the Department of Education in a physical mode. It is a six-month duration program, which commenced in March 2022 and culminated in August 2022, and is meticulously designed to provide a comprehensive understanding of the fundamental principles and concepts related to the critical areas of peace and sustainability.

COURSE OFFERED TO OER4BW

The course also has been made available as an Open Educational Resource (OER) for the benefit of undergraduate students. This laudable initiative is in alignment with the OER4BW (Open Educational Resources for Better World) program, an illustrious initiative supported by the United Nations Educational, Scientific, and Cultural Organization (UNESCO). The carefully crafted course on Essentials of Peace and Sustainability is designed to equip young learners with a thorough and nuanced understanding of the crucial concepts and principles that underpin the fields of peace and sustainability. By leveraging the power of cutting-edge technology and innovative pedagogical approaches, the course material is delivered in an engaging and interactive manner that inspires learners to think critically and reflect deeply on the subject matter.

Project-Based Learning: Enhancing SDG Integration

Project-Based Learning (PBL) is an instructional approach that empowers students to explore real-world problems, collaborate, and develop solutions. At Manav Rachna University, PBL is utilized as a pedagogical method to enhance the integration of SDGs into the curriculum. Through PBL, students are engaged in identifying, analyzing, and addressing unsolved societal problems aligned with the SDGs. This approach not only facilitates a deeper understanding of the goals but also equips students with essential skills such as critical thinking, problem-solving, teamwork, and communication.

Rubrics and Grading Criteria

To ensure effective implementation, Manav Rachna University has developed comprehensive rubrics and grading criteria for PBL projects. These guidelines define clear expectations for students and mentors alike. Rubrics are tailored to encourage students to select unsolved societal problems aligned with specific SDGs as their project focus. This approach not only streamlines the learning process but also provides a structured framework for evaluating student progress and project outcomes. Incorporating SDGs into curriculum mapping and integrating Project-Based Learning at Manav Rachna University exemplifies a forward-thinking approach to education. By aligning academic pursuits with global challenges, the university not only prepares students for successful careers but also nurtures their potential as change-makers and contributors to sustainable development. The holistic integration of SDGs through PBL empowers students with the knowledge, skills, and attitudes needed to drive positive change and work towards achieving the United Nations ambitious Sustainable Development Goals.

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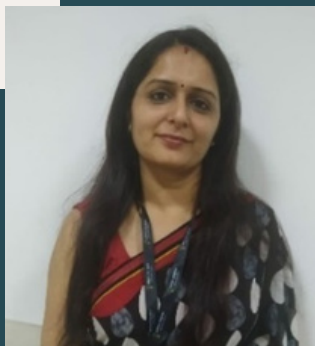
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